

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A yielding grouted rock bolt to control the movement of unstable rock strata into which the bolt is installed, said bolt comprising a yieldable, elongate tendon, a portion of said tendon having a grout slippage means, and a substantially immovable grout engaging anchor fitted to said tendon portion and thereby at least partially deforming same, whereby in yielding said tendon portion slips relative to said grout slippage means and passes through said anchor and is worked thereby.

Claim 2 (original): The bolt as claimed in claim 1 wherein said grout slippage means comprises a tube surrounding said tendon portion.

Claim 3 (original): The bolt as claimed in claim 2 wherein said tendon is formed from metal and said tube from plastics.

Claim 4 (original): The bolt as claimed in claim 1 wherein said anchor comprises a body engageable with said grout and formed in two parts which are clamped together over said tendon portion to fit said anchor thereto.

Claim 5 (original): The bolt as claimed in claim 4 wherein said parts include at least one complementary protrusion and recess.

Claim 6 (original): The bolt as claimed in claim 5 wherein said parts include a plurality of complementary protrusions and recesses.

Claim 7 (original): The bolt as claimed in claim 4 wherein said parts include at least one pair of opposed protrusions forming a corresponding pinch point.

Claim 8 (original): The bolt as claimed in claim 4 wherein said two parts are substantially identical.

Claim 9 (original): The bolt as claimed in claim 4 wherein said parts are maintained clamped together by keeper rings shaped to mate with said parts.

Claim 10 (original): The bolt as claimed in claim 1 wherein said tendon comprises a multi-strand cable.

Claim 11 (original): The bolt as claimed in claim 1 wherein said tendon comprises a bar.

Claim 12 (original): The bolt as claimed in claim 1 and having a plurality of said grout engaging anchors.

Claim 13 (currently amended): A substantially immovable two part rock bolt anchor adapted to be fitted to a yieldable tendon of a rock bolt, said anchor comprising a body having an exterior engageable with grout into which said bolt is embedded, and having two parts shaped to be clamped together over said tendon to form at least one pinch point through each of which said tendon can only pass by yielding, wherein said parts include at least one complementary protrusion and recess.

Claim 14 (canceled)

Claim 15 (currently amended): The anchor as claimed in claim 13-14 wherein said parts include a plurality of complementary protrusions and recesses.

Claim 16 (canceled)

Claim 17 (canceled)

Claim 18 (original): The anchor as claimed in claim 13 wherein said parts are able to be maintained clamped together by keeper rings shaped to mate with said parts.

Claim 19 (previously presented): A method of permitting a grouted rock bolt having a tendon to yield to control the movement of unstable rock strata into which the bolt is installed, said method comprising the steps of:

providing a portion of said tendon with grout slippage means;

fitting at least one grout engaging anchor to said tendon portion and thereby at least partially deforming same;

installing said rock bolt in a blind hole drilled in said rock strata;

introducing flowing hardenable grout into said hole to surround said bolt tendon and said anchor(s); and

permitting said tendon portion to move through said grout but be worked by movement of said portion through said anchor(s) which is/are substantially immobilized in said grout.

Claim 20 (original): The method as claimed in claim 19 including the further step of forming said tendon as a multi-strand cable.

Claim 21 (original): The method as claimed in claim 19 including the further step of forming said tendon as a bar.

Claim 22 (currently amended): A substantially immovable rock bolt anchor adapted to be pressed onto a yieldable tendon of a rock bolt, said anchor comprising a body and a tube, said tube having an exterior engageable with grout into which said bolt is embedded and said tube having an interior sized to receive said tendon, and wherein said anchor is being shaped to be press fitted to said tendon to form at least one pinch point through each of which said tendon can only pass by yielding.

Claim 23 (canceled)

Claim 24 (currently amended): The rock anchor as claimed in claim 22 23—wherein a portion of said tube is crushed to press fit said tube onto said tendon.

Claim 25 (previously presented): A yielding grouted rock bolt to control the movement of unstable rock strata into which the bolt is installed, said bolt comprising:

an elongate tendon, a portion of said tendon having a grout slippage means, and

a grout engaging anchor fitted to said tendon portion and thereby at least partially deforming same, said anchor including a body engageable with said grout and formed in two parts which are clamped together over said tendon portion to fit said anchor thereto, wherein said parts include at least one complementary protrusion and recess, and wherein in yielding, said tendon portion passes through said anchor and is worked thereby.

Claim 26 (previously presented): The bolt as claimed in claim 25 wherein said grout slippage means comprises a tube surrounding said tendon portion.

Claim 27 (previously presented): The bolt as claimed in claim 26 wherein said tendon is formed from metal and said tube from plastics.

Claim 28 (previously presented): The bolt as claimed in claim 25 wherein said parts include a plurality of complementary protrusions and recesses.

Claim 29 (previously presented): The bolt as claimed in claim 25 wherein said parts include at least one pair of opposed protrusions forming a corresponding pinch point.

Claim 30 (previously presented): The bolt as claimed in claim 25 wherein said two parts are substantially identical.

Claim 31 (previously presented): The bolt as claimed in claim 25 wherein said parts are maintained clamped together by keeper rings shaped to mate with said parts.

Claim 32 (previously presented): The bolt as claimed in claim 25 wherein said tendon comprises a multi-strand cable.

Claim 33 (previously presented): The bolt as claimed in claim 25 wherein said tendon comprises a bar.

Claim 34 (previously presented): The bolt as claimed in claim 25 and having a plurality of said grout engaging anchors.

Claim 35 (previously presented): A yielding grouted rock bolt to control the movement of unstable rock strata into which the bolt is installed, said bolt comprising:

an elongate tendon, a portion of said tendon having a grout slippage means, and

a grout engaging anchor fitted to said tendon portion and thereby at least partially deforming same, said anchor including a body engageable with said grout and formed in two parts which are clamped together over said tendon portion to fit said anchor thereto, wherein said parts include at least one pair of opposed protrusions forming a corresponding pinch point, and wherein in yielding, said tendon portion passes through said anchor and is worked thereby.

Claim 36 (previously presented): The bolt as claimed in claim 35 wherein said grout slippage means comprises a tube surrounding said tendon portion.

Claim 37 (previously presented): The bolt as claimed in claim 36 wherein said tendon is formed from metal and said tube from plastics.

Claim 38 (previously presented): The bolt as claimed in claim 35 wherein said anchor comprises a body engageable with said grout and formed in two parts which are clamped together over said tendon portion to fit said anchor thereto.

Claim 39 (previously presented): The bolt as claimed in claim 35 wherein said parts include at least one complementary protrusion and recess.

Claim 40 (previously presented): The bolt as claimed in claim 35 wherein said parts include a plurality of complementary protrusions and recesses.

Claim 41 (previously presented): The bolt as claimed in claim 35 wherein said two parts are substantially identical.

Claim 42 (previously presented): The bolt as claimed in claim 35 wherein said parts are maintained clamped together by keeper rings shaped to mate with said parts.

Claim 43 (previously presented): The bolt as claimed in claim 35 wherein said tendon comprises a multi-strand cable.

Claim 44 (previously presented): The bolt as claimed in claim 35 wherein said tendon comprises a bar.

Claim 45 (previously presented): The bolt as claimed in claim 35 and having a plurality of said grout engaging anchors.

Claim 46 (previously presented): A two part rock bolt anchor adapted to be fitted to a tendon of a rock bolt, said anchor comprising a body engageable with grout into which said bolt is embedded, and having two parts shaped to be clamped together over said tendon, wherein said parts include at least one complementary protrusion and recess.

Claim 47 (previously presented): The anchor as claimed in claim 46 wherein said parts include a plurality of complementary protrusions and recesses.

Claim 48 (previously presented): The anchor as claimed in claim 46 wherein said two parts are substantially identical.

Claim 49 (previously presented): The anchor as claimed in claim 46 wherein said parts are able to be maintained clamped together by keeper rings shaped to mate with said parts.

Claim 50 (previously presented): A two part rock bolt anchor adapted to be fitted to a tendon of a rock bolt, said anchor comprising a body engageable with grout into which said bolt is embedded, and having two parts shaped to be clamped together over said tendon, wherein said parts include at least one pair of opposed protrusions forming a corresponding pinch point.

Claim 51 (previously presented): The anchor as claimed in claim 50 wherein said parts include at least one complementary protrusion and recess.

Claim 52 (previously presented): The anchor as claimed in claim 50 wherein said parts include a plurality of complementary protrusions and recesses.

Claim 53 (previously presented): The anchor as claimed in claim 50 wherein said two parts are substantially identical.

Claim 54 (previously presented): The anchor as claimed in claim 50 wherein said parts are able to be maintained clamped together by keeper rings shaped to mate with said parts.

Claim 55 (previously presented): A two part rock bolt anchor adapted to be fitted to a tendon of a rock bolt, said anchor comprising a body engageable with grout into which said bolt is embedded, and having two parts shaped to be clamped together over said tendon, wherein said parts are able to be maintained clamped together by keeper rings shaped to mate with said parts..

Claim 56 (previously presented): The anchor as claimed in claim 55 wherein said parts include at least one complementary protrusion and recess.

Claim 57 (previously presented): The anchor as claimed in claim 55 wherein said parts include a plurality of complementary protrusions and recesses.

Claim 58 (previously presented): The anchor as claimed in claim 55 wherein said parts include at least one pair of opposed protrusions forming a corresponding pinch point.

Claim 59 (previously presented): The anchor as claimed in claim 55 wherein said two parts are substantially identical.

Claim 60 (new): A yielding grouted rock bolt to control the movement of unstable rock strata into which the bolt is installed, said bolt comprising a yieldable, elongate tendon, a portion of said tendon having a grout slippage means, and a substantially immovable grout engaging anchor fitted to said tendon portion and thereby at least partially deforming same, whereby in yielding said tendon portion slips relative to said grout slippage means and passes through said anchor and is worked thereby, wherein said parts include at least one pair of opposed protrusions each forming a corresponding one of said pinch points.

Claim 61 (new): A yielding grouted rock bolt to control the movement of unstable rock strata into which the bolt is installed, said bolt comprising a yieldable, elongate tendon, a portion of said tendon having a grout slippage means, and a substantially immovable grout engaging anchor fitted to said tendon portion and thereby at least partially deforming same, whereby in yielding said tendon portion slips relative to said grout slippage means and passes through said anchor and is worked thereby, wherein said parts are able to be maintained clamped together by keeper rings shaped to mate with said parts.

Claim 62 (new): The anchor as claimed in claim 18 wherein said two parts are substantially identical.